

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int a[20],n,i,t=0;
    clrscr();
    printf("Enter head pointer position:");
    scanf("%d",&a[0]);
    printf("\nEnter number of processes:");
    scanf("%d",&n);
    printf("\nEnter processes in request order");
    for(i=1;i<=n;i++)
    {
        scanf("%d",&a[i]);
    }
    for(i=0;i<n;i++)
    {
        if(a[i]<a[i+1])
            t+=(a[i+1]-a[i]);
        else
            t+=(a[i]-a[i+1]);
    }
    printf("\nProcessing order:");
    for(i=0;i<=n;i++)
    printf("\t%d",a[i]);
    printf("\nTotal Head Movement:%d",t);
    getch();
}
```